

**RULE 425.1 Hot Mix Asphalt Paving Plants (Oxides of Nitrogen) - Adopted 10/13/94**

**I. Purpose**

The purpose of this Rule is to reduce oxides of nitrogen emissions (NO<sub>x</sub>) from hot mix asphalt paving plants to fulfill mandates of the 1988 California Clean Air Act and the 1990 Federal Clean Air Act Amendments. Section V emission limits represent Reasonably Available Retrofit Control Technology (RARCT).

**II. Applicability**

This Rule shall apply, in accordance with Section VII, to all hot mix asphalt paving plants located and operated in KCAPCD.

**III. Exemptions**

Equipment used to heat liquid asphalt prior to mixing with aggregate to form hot mix asphalt paving shall not be subject to this Rule.

**IV. Definitions**

For purposes of this Rule, the following definitions shall apply:

- A. Hot Mix Asphalt Paving is any material used for surfacing roadways, parking lots, etc. formed by mixing hot aggregate and heated liquid petroleum asphalt.
- B. Hot Mix Asphalt Paving Plant is any facility producing hot mix asphalt paving in equipment burning fuel to dry and heat the aggregate and maintain an adequate temperature for mixing with asphalt.

**V. Requirements**

- A. No person shall operate a hot mix asphalt paving plant unless the exhaust stack is equipped with a continuously recording stack gas oxygen monitor, or provisions are made to periodically (at least monthly) analyze and record exhaust gas oxygen content.
- B. No person operating a hot mix asphalt paving plant shall allow NO<sub>x</sub> emissions to exceed:

0.15 pounds (as NO<sub>2</sub>) per one million Btu's of heat input averaged over one hour.

## VI. Administrative Requirements

### A. Recordkeeping

1. Written records of fuel type, Btu content and usage shall be collected, preserved for a period of at least two years, and made readily available at the plant site to District personnel.
2. Continuous (or monthly) stack gas oxygen content records shall be collected, preserved for a period of at least two years, and made readily available at the plant site to District personnel.

### B. Test Method

1. Testing for purposes of demonstrating compliance with Subsection V.B. shall be conducted using EPA Test Methods 3A (O<sub>2</sub> content), 7E (NO<sub>x</sub> content), and 19 (NO<sub>x</sub> emission rate per million Btu's of heat input).
2. Continuous (or monthly) stack gas oxygen monitoring (or sampling) shall be conducted in accordance with EPA Test method 3 or 3A.

### C. Permit to Operate

After initial demonstration of a facility's compliance with Subsection V.B., such facility's KCAPCD Permit to Operate shall be revised to include an operational condition requiring on-going operation at the stack gas oxygen content measured during the compliance test ( $\pm 10\%$ ).

## VII. Compliance Schedule

- A. Any person operating a hot mix asphalt paving plant subject to this Rule and needing to install or modify equipment to comply with Subsection V.B. shall submit a complete application for Authority to Construct such equipment on or before March 1, 1995.
- B. Any person operating a hot mix asphalt paving plant subject to this Rule shall demonstrate compliance with Subsection V.B. on or before January 1, 1997 and yearly, thereafter.